

From: [McKenna, James \(Jim\)](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#)
Cc: [Burt Shephard/R10/USEPA/US@EPA](#); [Chip Humphrey/R10/USEPA/US@EPA](#); [Joe Goulet/R10/USEPA/US@EPA](#); [lilas@windwardenv.com](#); [PETERSON.Jenn@deq.state.or.us](#); [ricka@bes.ci.portland.or.us](#); [rjw@nwnatural.com](#)
Subject: Re: Portland Harbor Food Web Model
Date: 10/18/2005 11:58 AM

Great, thanks for the clarification. We will discuss this with our tech team today and Exec tomorrow. Therefore, I am hoping to get you a response by close of business tomorrow. Jim.

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov <Blischke.Eric@epamail.epa.gov>
To: McKenna, James (Jim) <Jim.McKenna@portofportland.com>
CC: Shephard.Burt@epamail.epa.gov <Shephard.Burt@epamail.epa.gov>;
Humphrey.Chip@epamail.epa.gov <Humphrey.Chip@epamail.epa.gov>; Goulet.Joe@epamail.epa.gov
<Goulet.Joe@epamail.epa.gov>; Lisa Saban <lilas@windwardenv.com>; Jennifer L Peterson
<PETERSON.Jenn@deq.state.or.us>; ricka@bes.ci.portland.or.us <ricka@bes.ci.portland.or.us>;
rjw@nwnatural.com <rjw@nwnatural.com>
Sent: Tue Oct 18 10:58:20 2005
Subject: RE: Portland Harbor Food Web Model

Jim, just to clarify the reason for our request -

EPA is interested in understanding how the food web model works and would like to be able to reproduce the LWG food web model. This is why we are requesting the information outlined below. For example, if we have the model and the input parameters, we should easily be able to confirm that the model is operating as expected. This does not represent a deviation from a collaborative approach. On the contrary, providing this information will facilitate a collaborative approach. I would expect that once EPA and its technical team has a good understanding of how the food web model functions, we will be prepared to meet with the LWG to discuss what modifications to the food web model are necessary and what additional data (if any) is needed to support the food web modeling effort. Just to be clear, EPA is not interested in developing our own model.

I apologize for the short time frame associated with our request. However, we have scheduled a meeting on November 1, 2005 to discuss the food web model approach. The information requested below will greatly facilitate our discussion and our review of the food web model report once received.

Thanks, Eric

"McKenna, James
(Jim)"
<Jim.McKenna@portofportland.com>
10/17/2005 11:13 AM
To
Eric Blischke/R10/USEPA/US@EPA,
ricka@bes.ci.portland.or.us,
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Lisa Saban
<lilas@windwardenv.com>, Chip
Humphrey/R10/USEPA/US@EPA, Joe
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Jennifer L Peterson
<PETERSON.Jenn@deq.state.or.us>
Subject
RE: Portland Harbor Food Web
Model

Thanks Eric, we will pass this request on to our tech team and get back to you with a schedule. It is still our hope that the LWG and EPA teams can work collaboratively on these issues. The LWG will make its tech consultants available to meet with your tech team at any time to discuss the FWM. In addition, as your team progresses with independent model runs we feel it would be prudent to have on-going communications between the LWG and EPA technical teams. Thanks, Jim.

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov
[mailto:Blischke.Eric@epamail.epa.gov]
Sent: Friday, October 14, 2005 3:06 PM
To: McKenna, James (Jim); ricka@bes.ci.portland.or.us; rjw@nwnatural.com
Cc: Lisa Saban; Humphrey.Chip@epamail.epa.gov;
Goulet.Joe@epamail.epa.gov; Shephard.Burt@epamail.epa.gov; Jennifer L Peterson
Subject: Portland Harbor Food Web Model

Jim, Bob and Rick,

During Wednesday's management meeting, we discussed the time-frame for submittal of the food web model report. During our discussion, we agreed that the food web model report should be submitted as planned (November 4, 2005). As part of our review process, EPA would like to be able to run and evaluate the food web model independently. Due to the critical nature of the food web model with respect to the Portland Harbor RI/FS, EPA would like to begin this effort as soon as possible. As a result, EPA requests that the following information be included prior to submission of the food web model report:

- Identify the version of the Arnot model being utilized and provide the working model code (along with any equations embedded in the model that differ from the base model) and transparent documentation of model equations and parameters.
- Calibration procedures.
- Reaches of the river being modeled (i.e., is the LWG segmenting the river into different reaches or modeling the river as a whole?).
- Identify all chemicals being modeled and provide the Kows for these chemicals.
- Sediment TOC values utilized in the model runs.
- Identification of fish species being modeled.
- A description of the food web structure (i.e., who eats who, with diet percentages for each prey species).
- Lipid contents for modeled fish species and prey.

Body weights for individual fish species being modeled.

EPA understands that some of the original model runs will be submitted shortly. Submittal of the above information along with the model runs will greatly facilitate our review of the food web model report once received. This information should be submitted as soon as possible, preferably no later than October 21, 2005.

In addition, as discussed during the management meeting, the food web model report itself should include a summary of how the food web model does or does not achieve the model specifications and objectives previously transmitted to LWG. In addition, if calibration procedures are not readily available, these can be submitted with the food web model report.

If you have any questions about this request, please contact Chip or myself.

Thanks, Eric